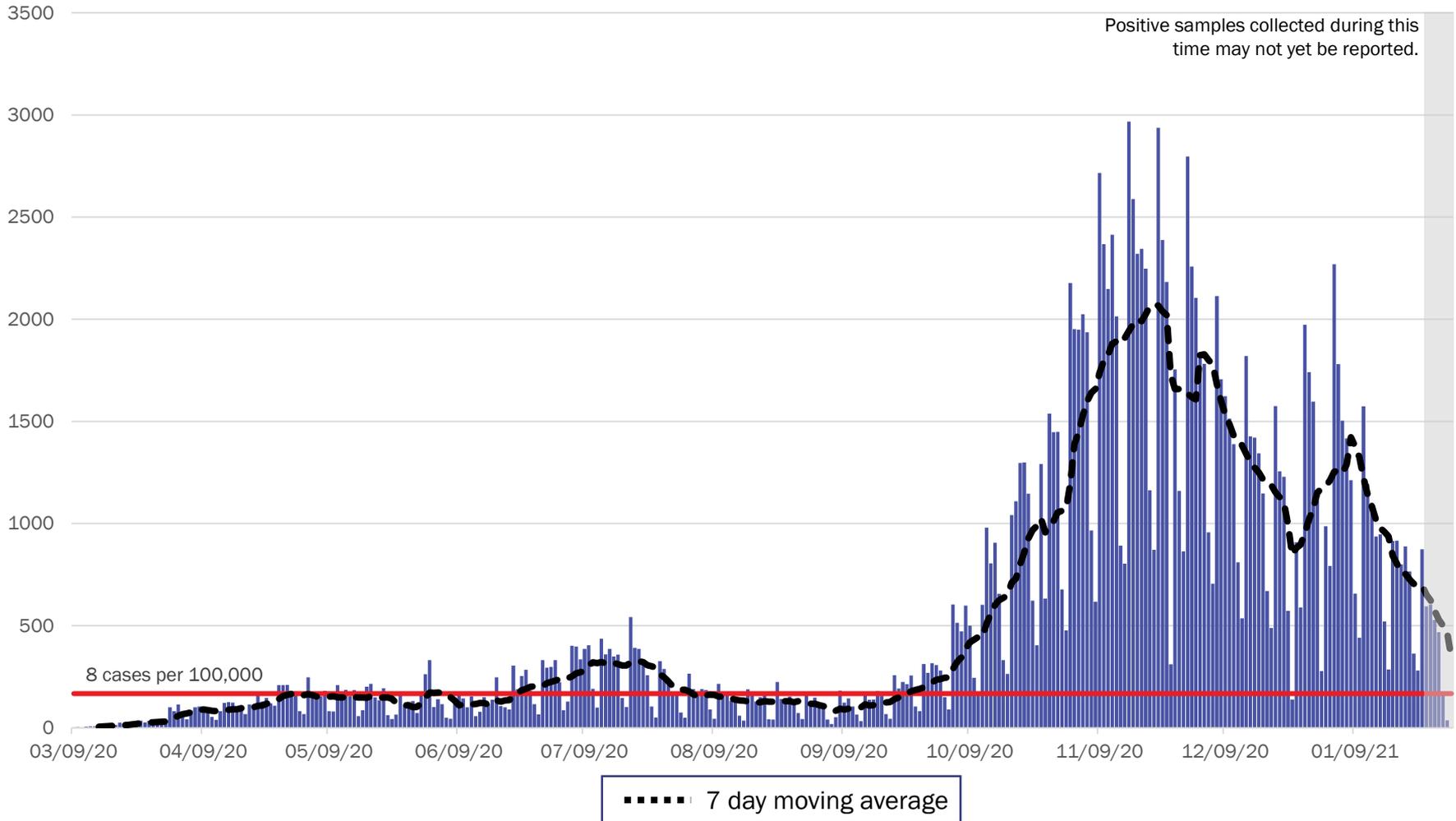


COVID-19 in New Mexico: Epidemiologic and Modeling Update

February 2, 2021

New Mexico COVID-19 Cases by Date of Specimen Collection

February 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021, New Mexico Department of Health.

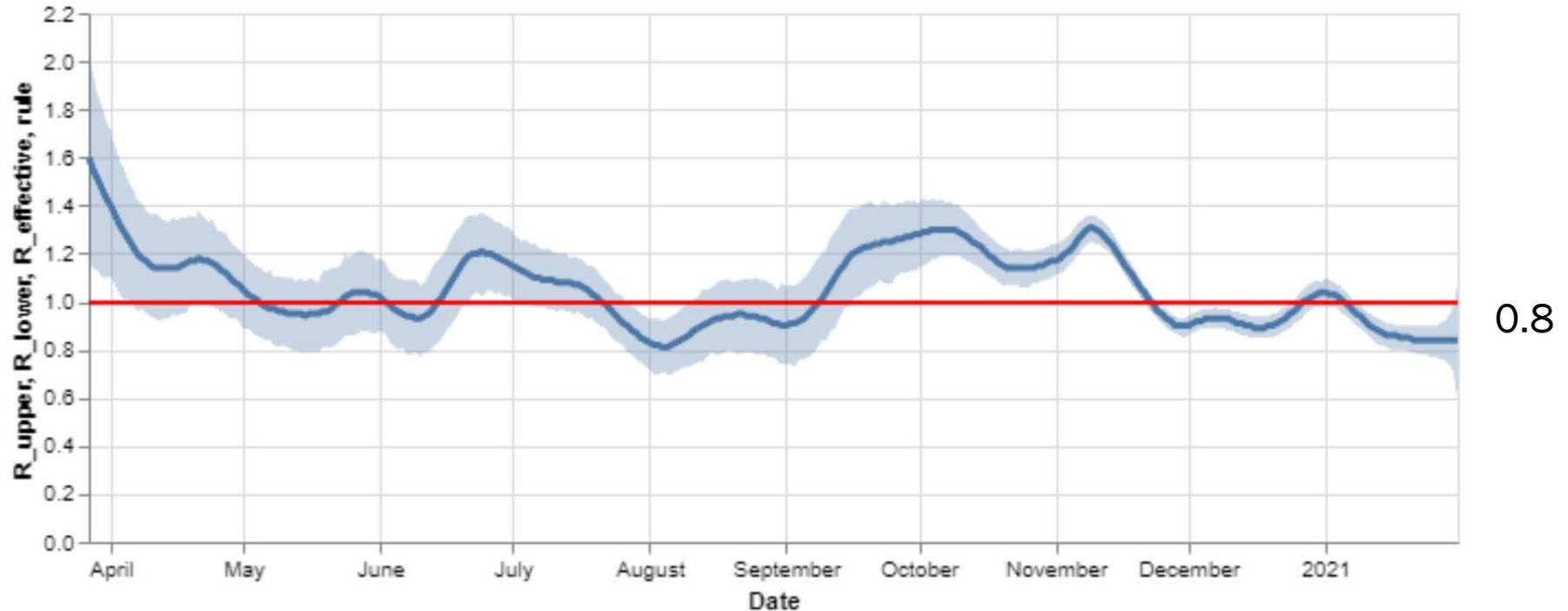


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Statewide R-effective has increased to 0.8.

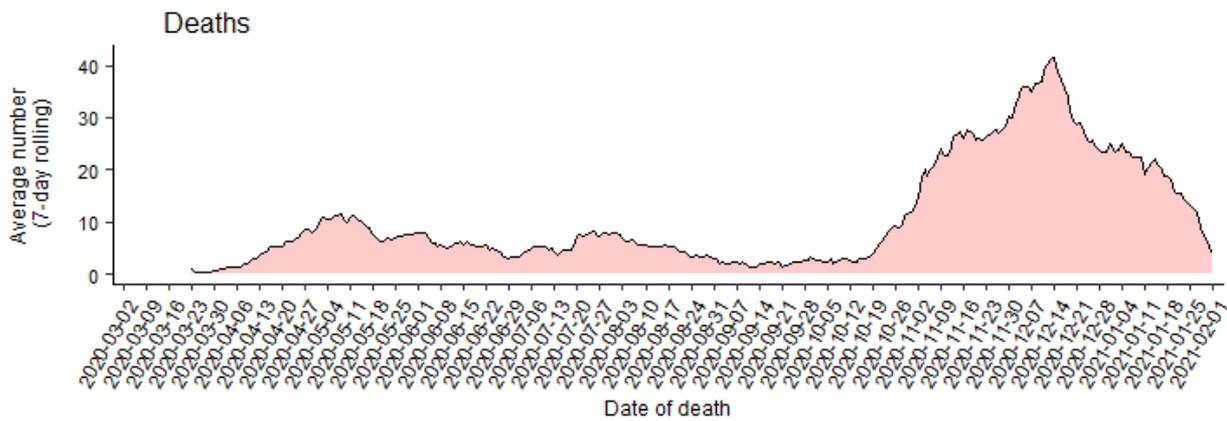
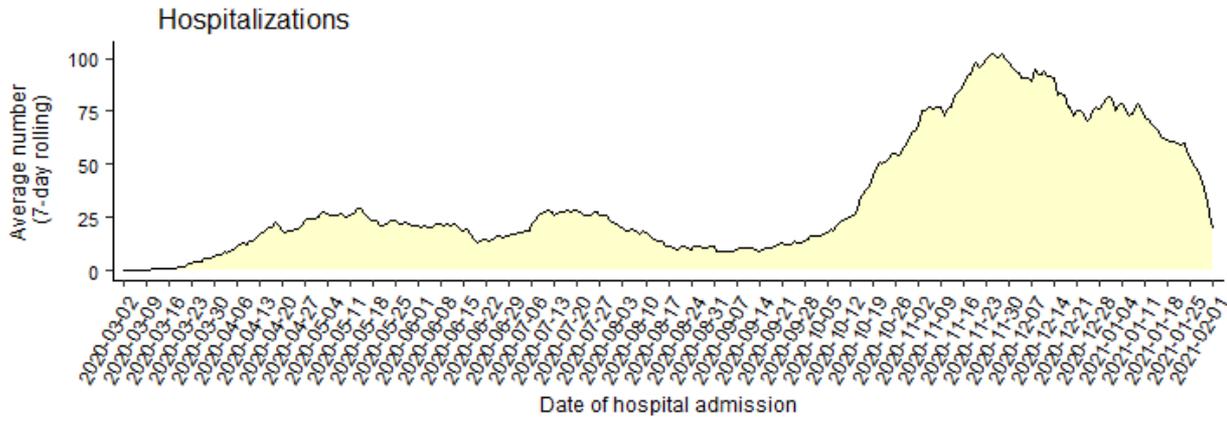
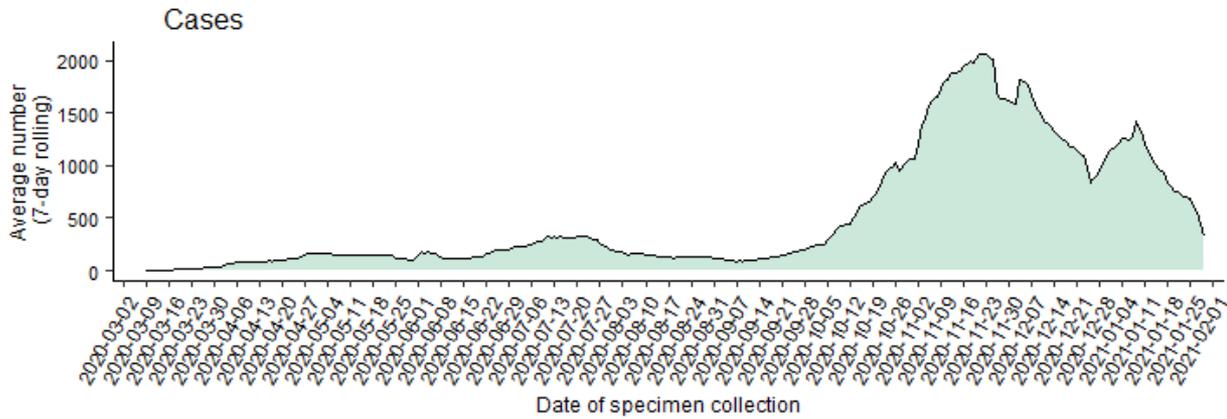
R_effective over time, STATE



0.8

Courtesy of Presbyterian Healthcare Services – February 1, 2021.

Average number (7-day rolling average) of cases, hospitalizations, and deaths over time



Note: Cases, hospitalizations, and deaths may not yet be reported in 7 or more days.

As of 2/1/21



Key

- Low Level Endemic <1.0
- Approaching Low Level Endemic 1.0
- Requiring further mitigation >1.0

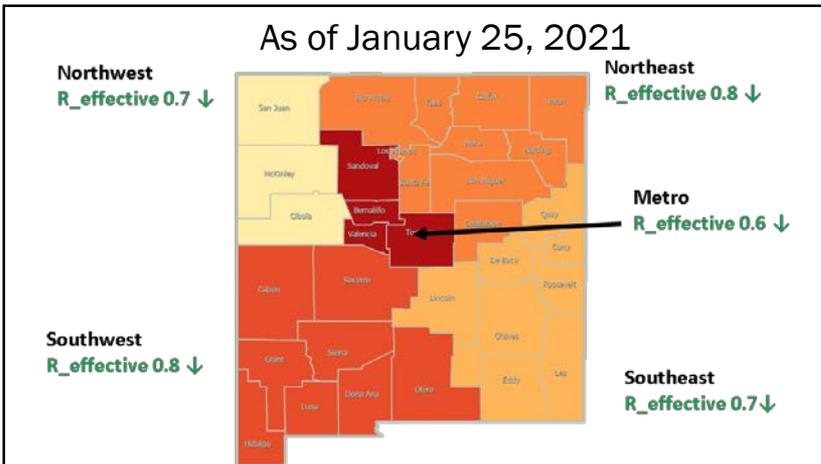
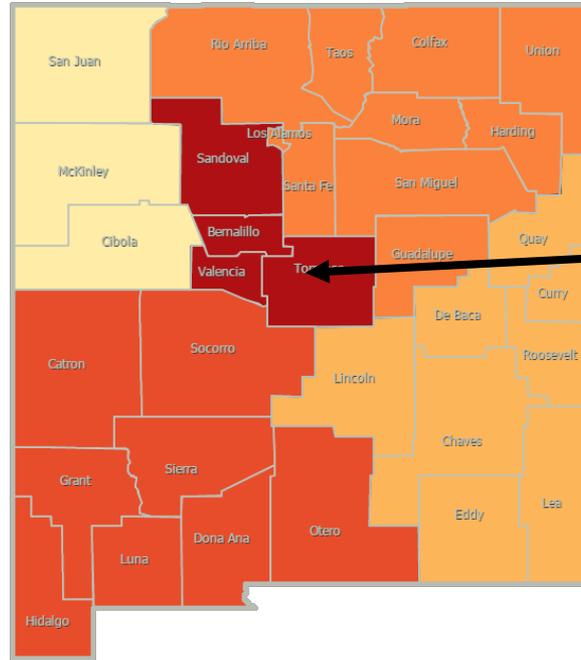
Northwest
R_effective 0.8 ↑

Northeast
R_effective 0.8 =

Metro
R_effective 1.0 ↑
See summary for data note.

Southwest
R_effective 0.7 ↓

Southeast
R_effective 0.8 ↑



Region	R-effective	95% Confidence Interval
State	0.8	[0.6, 1.1]
Metro	1.0	[0.6, 1.3]
Northeast	0.8	[0.2, 1.5]
Northwest	0.8	[0.3, 1.4]
Southeast	0.8	[0.3, 1.4]
Southwest	0.7	[0.3, 1.3]

Courtesy of Presbyterian Healthcare Services – February 1, 2021.

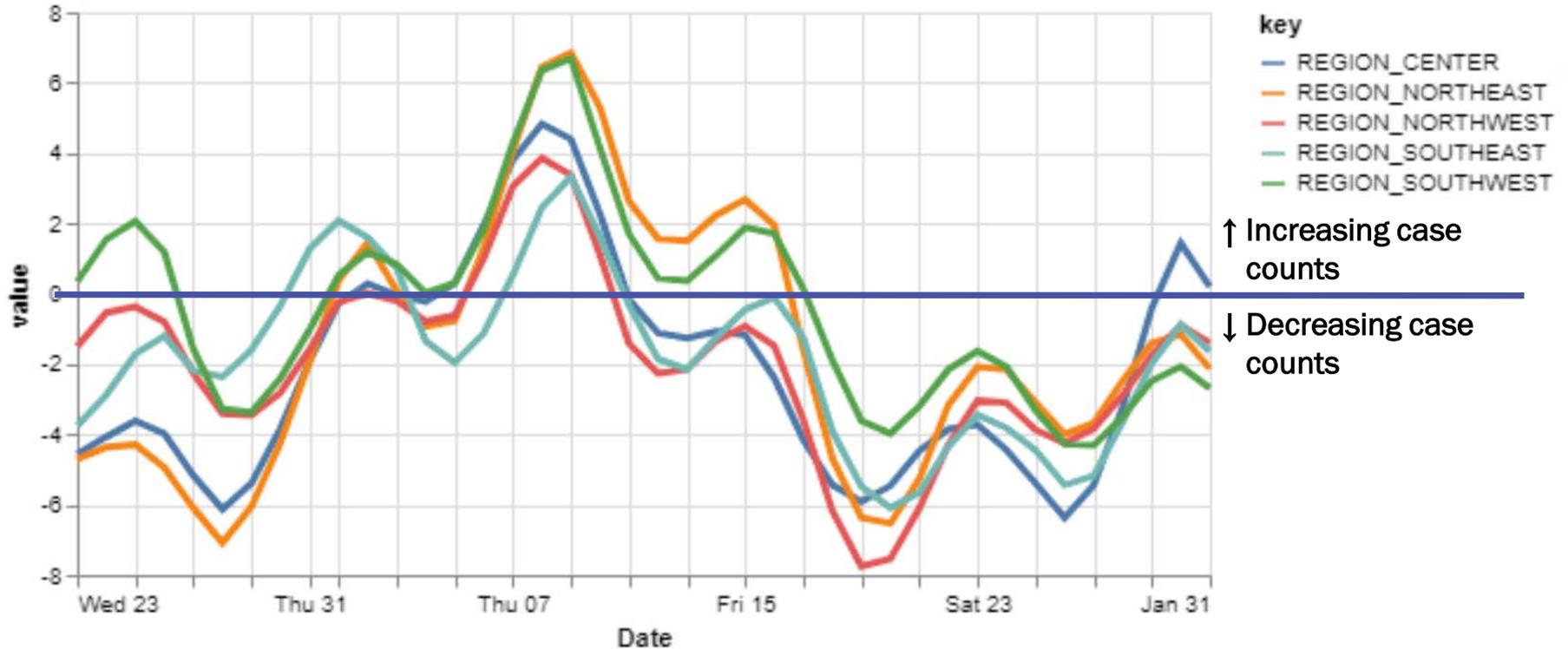


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Four of the five regions have growth below 0. See Summary for a data note regarding the Metro region.

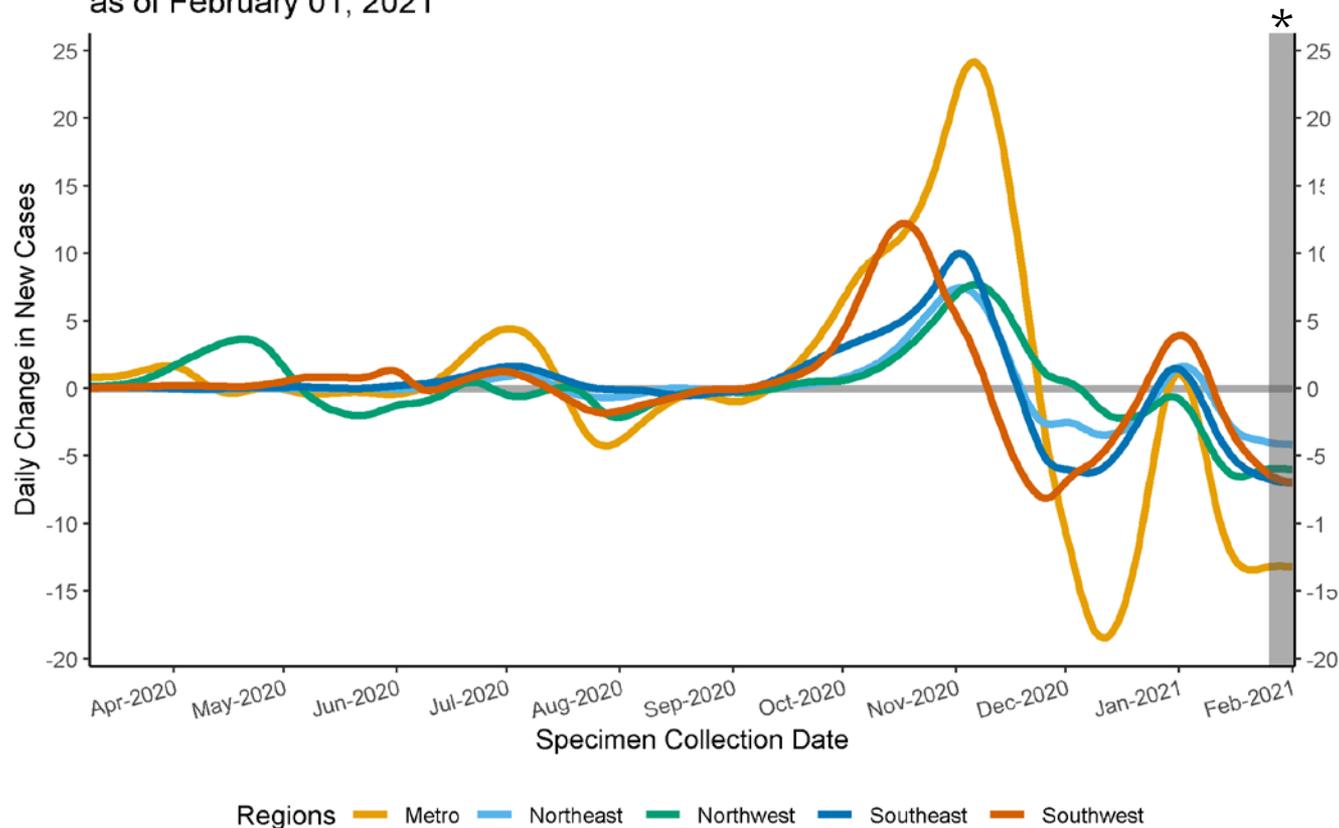
14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – February 1, 2021.

Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of February 01, 2021



Region	Growth Acceleration January 25, 2021
1 Metro	-13.2
2 Northeast	-3.9
3 Northwest	-6.0
4 Southeast	-6.7
5 Southwest	-6.2

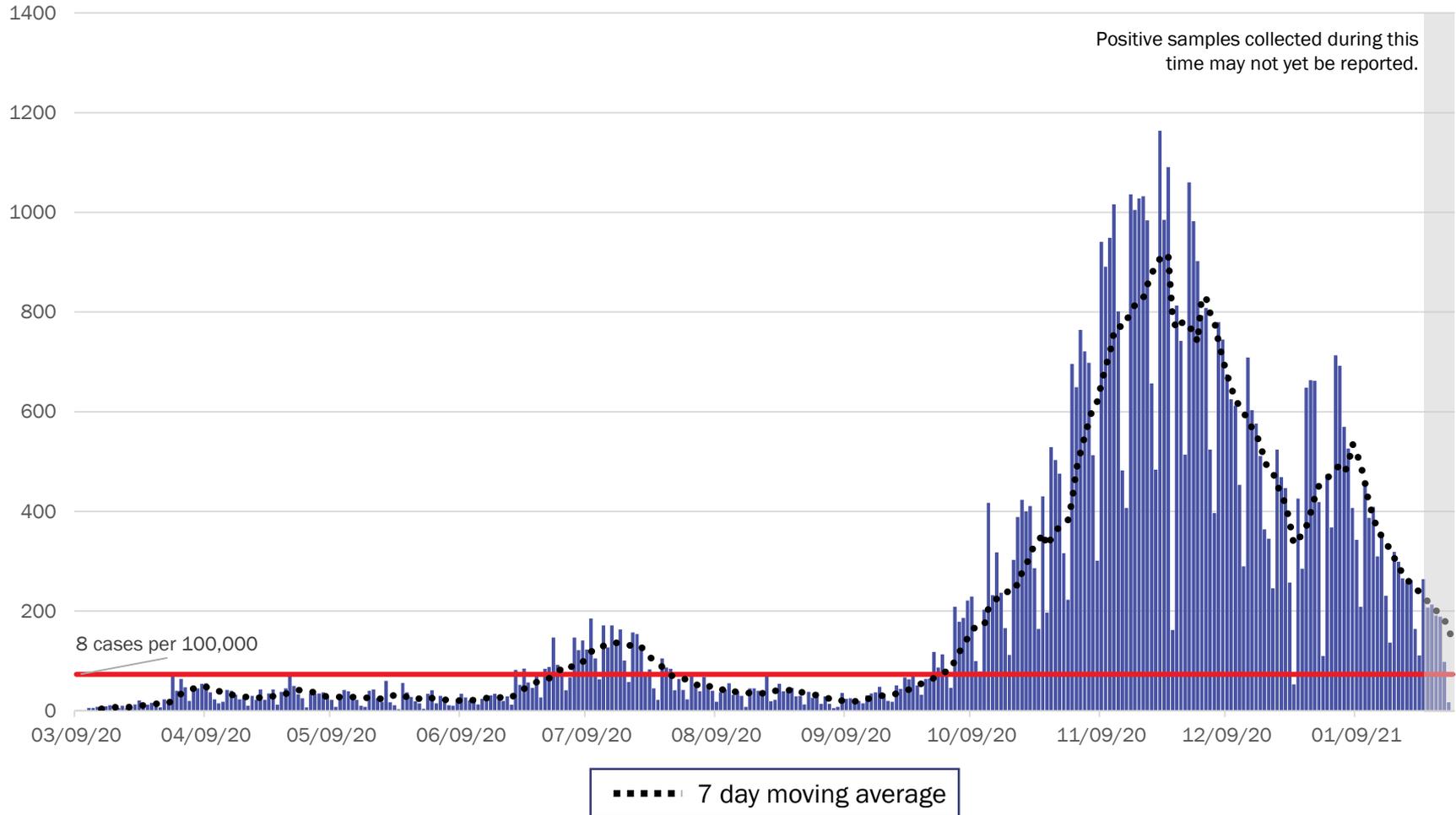
*Positive specimens collected in the last 7 or more days may not yet be reported to NMDOH. Case counts and growth acceleration during this time are underestimated.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021, New Mexico Department of Health.



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Metro Region Case Count by Collection Date with 7 Day Moving Average February 1, 2021



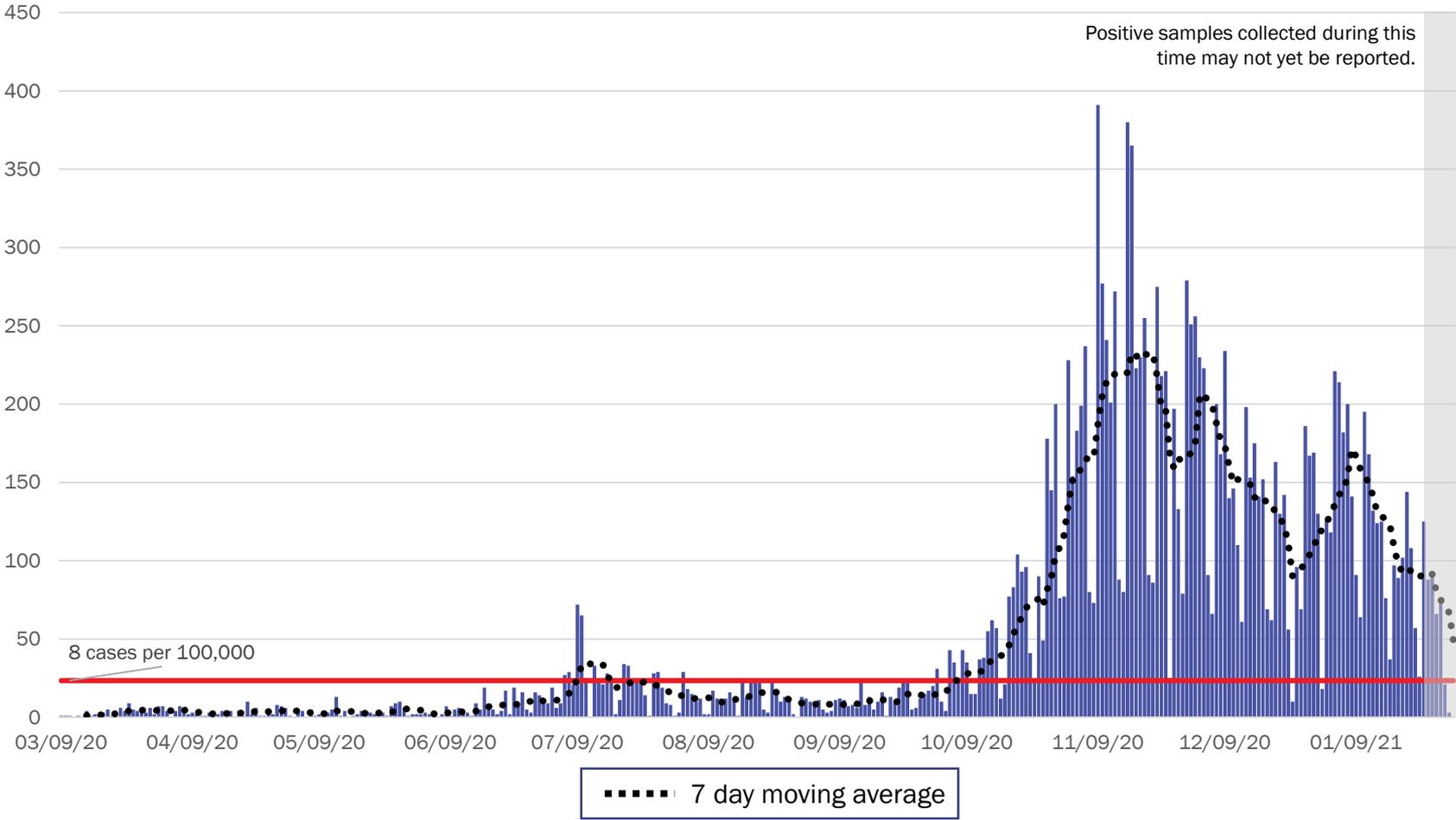
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average February 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021 New Mexico Department of Health.

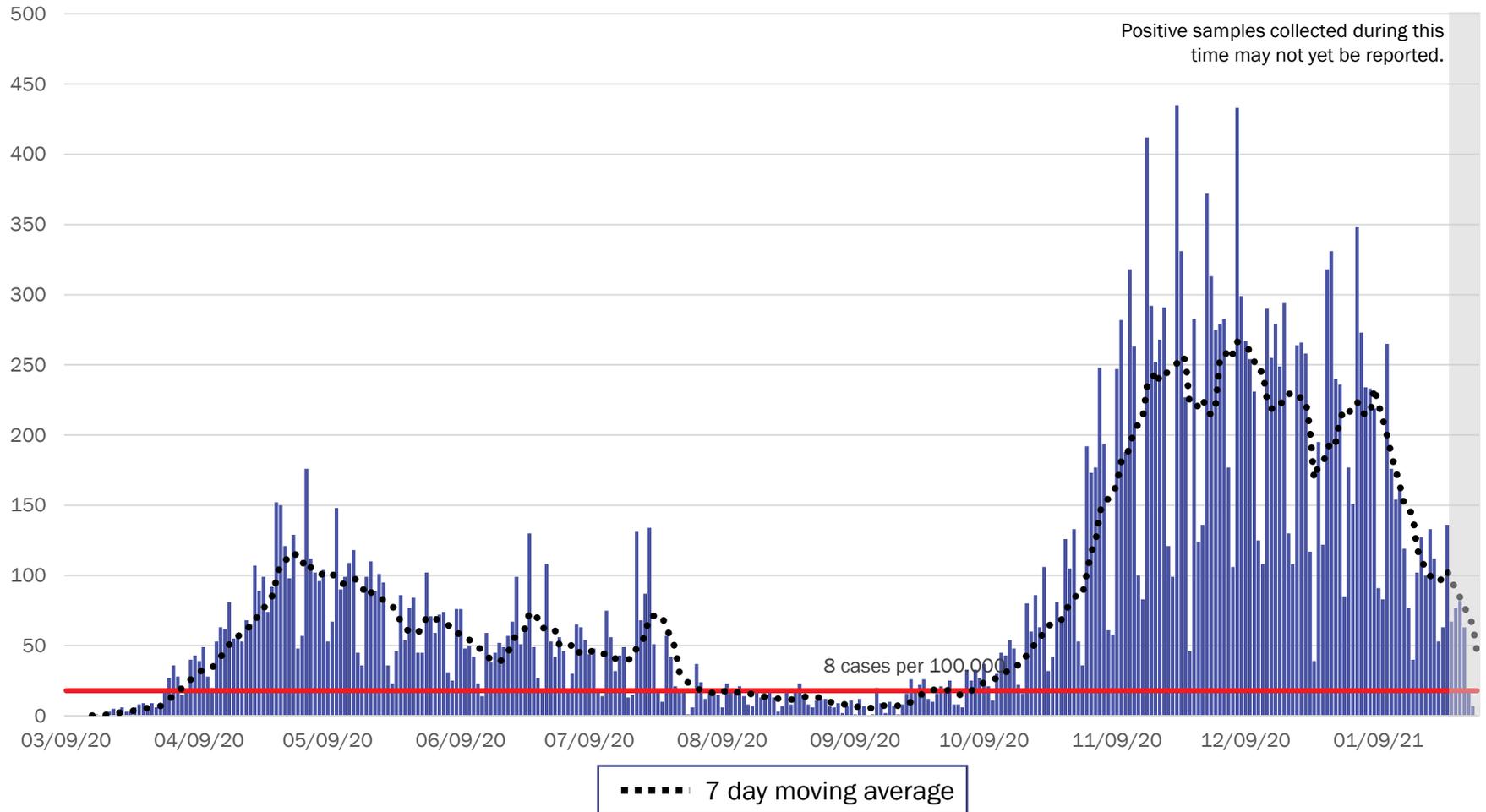


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Northwest Region Case Count by Collection Date with 7 Day Moving Average February 1, 2021



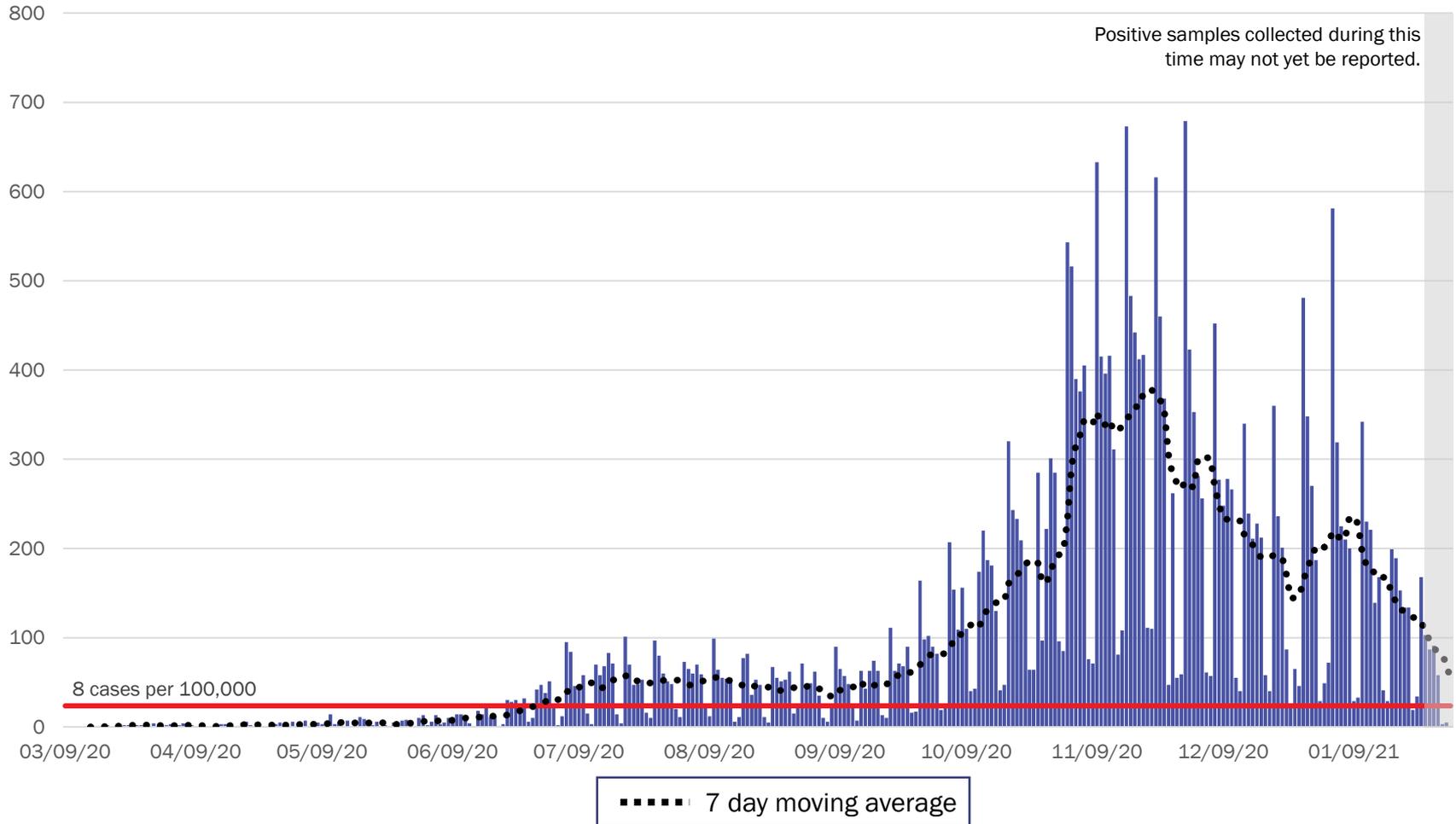
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021, New Mexico Department of Health.



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Southeast Region Case Count by Collection Date with 7 Day Moving Average February 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021, New Mexico Department of Health.

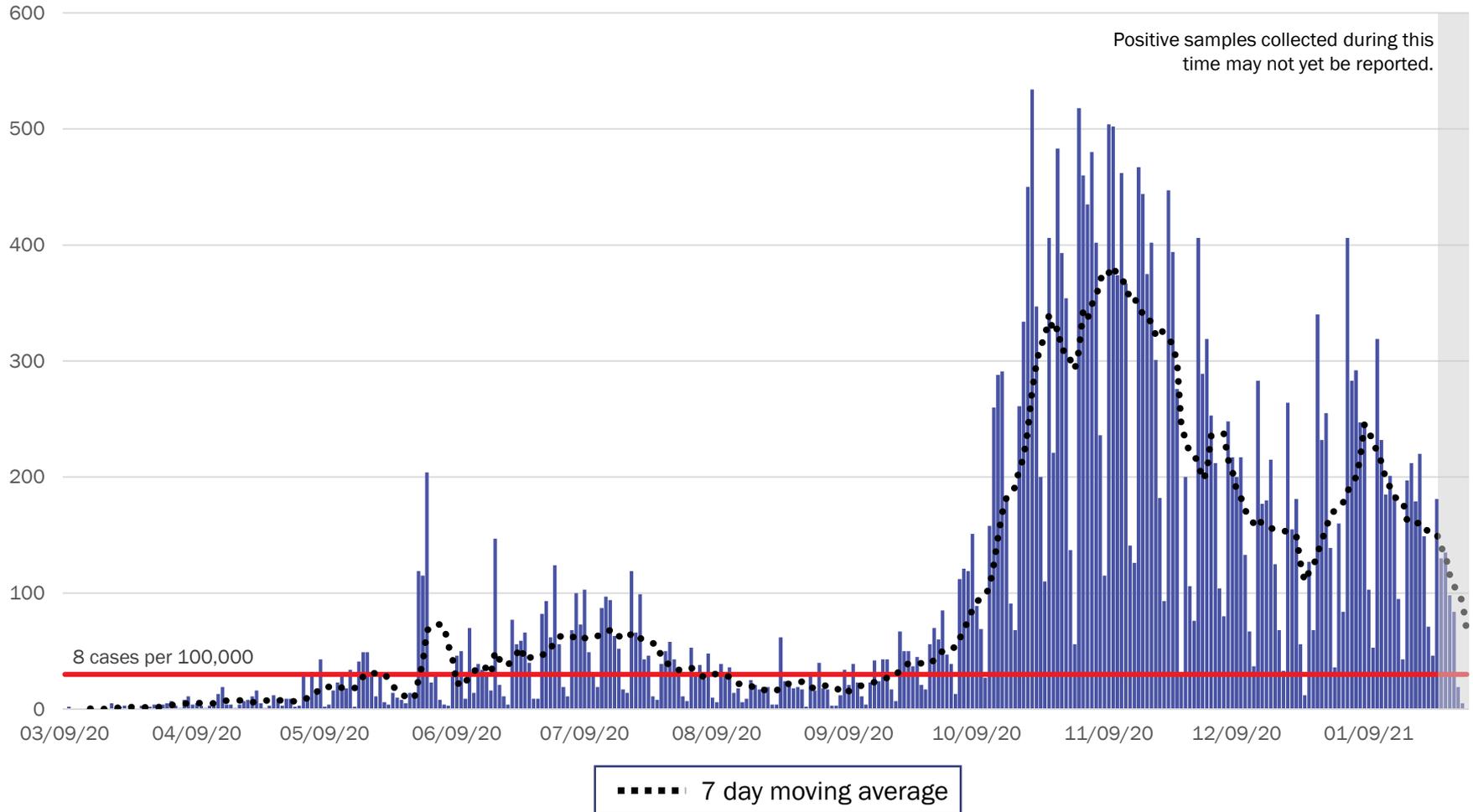


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Southwest Region Case Count by Collection Date with 7 Day Moving Average February 1, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.1.2021, New Mexico Department of Health.



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New Mexico Status Updates

Data Note: Due to a reporting error, a backlog of results from a single facility was reported on Friday January 29, 2021. This has resulted in an overestimation of this week's Metro region R-effective and 14-day relative growth rate, which are calculated based on report date. The growth acceleration and epidemic curve account for this artifact by attributing results to the specimen collection date rather than the reporting date.

- Case count: Statewide, daily case counts are declining.
- Hospitalizations: Hospitalizations are high, but are declining.
- Deaths: Weekly COVID-19 deaths remain high, but appear to be declining.

For more information, please visit the [Epidemiology Reports](#) page on the NMDOH COVID-19 website: <https://cv.nmhealth.org/epidemiology-reports/>

Supplementary Slides

Modeling Assumptions

Variable	Measured Value	Value as of 2.1.2021
R_Effective	Actual Measured Daily Value by key county	R_eff=0.8
Positive Test Multiplier	Calculated by LANL	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.22% ICU 0.09% Vent Rate 62% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days